Docket No-MENDMENT TRANSMITTAL LETTER 286002021100 Art Unit pplication No. Filing Date Examiner 09/687,855 October 13, 2000 Kathleen M. Kerr 1652 Applicant(s): Chaitan KHOSLA E. COLI AND STREPTOMYCES HOST CELLS THAT SYNTHESIZE METHYLMALONYL Invention: RECEIVED COA (As Amended) TO THE COMMISSIONER FOR PATENTS MAY 0 5 2003 Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below. TECH CENTER 1600/2900 **CLAIMS AS AMENDED** Claims Highest Remaining Number Number Previously **Extra Claims** After Amendment Paid Present Rate **Total Claims** 0.00 22 43 Х Independent 3 5 = 0.00 Х Claims Multiple Dependent Claims (check if applicable) Other fee (please specify): Extension for response within second month 410.00 TOTAL ADDITIONAL FEE FOR THIS AMENDMENT: 410.00 x Large Entity Small Entity No additional fee is required for this amendment. X Please charge Deposit Account No. 03-1952 in the amount of \$ A duplicate copy of this sheet is enclosed. to cover the filing fee is enclosed. A check in the amount of \$ Payment by credit card. Form PTO-2038 is attached. | X | The Commissioner is hereby authorized to charge and credit Deposit Account No. 03-1952 (referencing docket 286002021100) as described below. A duplicate copy of this sheet is enclosed. Credit any overpayment. Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17. Dated: April 24, 2003 BRUCE/GRANT (47, NOB) FOR: Carolyn A. Favorito Attorney/Reg. No.: 39,183 MORRISON & FOERSTER LLP 3811 Valley Centre, Suite 500 San Diego, California 92130 (858) 720-5112

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date shown below. Dated: April 24, 2003 Signature: _ (Marian L. Christopher) sd-143710

PTO/SB/17 (01-03) Approved for use through 04/30/2003. OMB 0651-0032 the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL 09/687,855 **Application Number** October 13, 2000 Filing Date for FY 2003 Chaitan KHOSLA First Named Inventor Patent fees are subject to annual revision. Kathleen M. Kerr **Examiner Name** Applicant claims small entity status. See 37 CFR 1.27 1652 Group Art Unit 286002021100 TOTAL AMOUNT OF PAYMENT 410.00 Attorney Docket No. FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) Money Order 3. ADDITIONAL FEES Check None х Deposit Account Large Entity Small Entity Deposit 03-1952 Fee Fee Fee Fee Account **Fee Description** Code (\$) Code (\$) Fee Paid Number Deposit 2051 1051 130 65 Surcharge - late filing fee or oath Morrison & Foerster LLP Account Name Surcharge - late provisional filing fee or cover 50 2052 25 1052 he Commissioner is hereby authorized to: (check all that apply) sheet X Charge fee(s) indicated below х Credit any overpayments 1053 130 1053 130 Non-English specification Charge any additional fee(s) during the pendency of this application 1812 2,520 1812 2.520 For filing a request for ex parte reexamination Requesting publication of SIR prior to 1804 920* 1804 920* Charge fee(s) indicated below, except for the filing fee Requesting publication of SIR after to the above-identified deposit account. 1805 1.840 1805 Examiner action 1251 110 2251 Extension for reply within first month **FEE CALCULATION** 410.00 1. BASIC FILING FEE 1252 410 2252 205 Extension for reply within second month Large Entity Small Entity 1253 930 2253 Extension for reply within third month Fee Fee Fee Fee 1.450 2254 725 Extension for reply within fourth month 1254 Fee Description Code (\$) (\$) Fee Paid 2255 Extension for reply within fifth month 1001 750 2001 375 Utility filing fee 1255 1,970 2401 1401 320 1002 330 2002 165 Design filing fee 160 Notice of Appeal 1402 320 2402 Filing a brief in support of an appeal 1003 520 2003 260 Plant filing fee 160 2004 Reissue filing fee 1403 280 2403 Request for oral hearing 1004 750 375 1,510 1005 160 2005 80 Provisional filing fee 1451 1451 1.510 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable SUBTOTAL (1) 0.00 1.300 2453 Petition to revive - unintentional 1453 650 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1.300 2501 650 Utility issue fee (or reissue) Fee from Extra 1502 470 2502 Design issue fee Fee Paid Claims below 0.00 Total Claims 1503 630 2503 22 _43** = 315 Plant issue fee Independent 1460 130 1460 130 Petitions to the Commissioner 3 0.00 1807 50 1807 Processing fee under 37 CFR 1.17(q) 50 Multiple Dependent 1806 180 1806 180 Submission of Information Disclosure Stmt Large Entity **Small Entity** Recording each patent assignment per Fee (\$) Fee Code 8021 40 8021 40 Fee Description (\$) property (times number of properties) Code Filing a submission after final rejection 1202 18 2202 9 Claims in excess of 20 375 1809 750 2809 (37 ČFR 1.129(a)) 1201 84 2201 42 Independent claims in excess of 3 For each additional invention to be 1810 750 2810 375 1203 280 2203 140 Multiple dependent claim, if not paid examined (37CFR 1.129(b)) Request for Continued Examination (RCE) 1204 84 2204 Reissue independent claims 1801 750 2801 over original patent Request for expedited examination 1802 900 1802 900 of a design application Reissue claims in excess of 20 2205 1205 18 and over original patent Other fee (specify) 410.00 0.00 SUBTOTAL (3) (\$) SUBTOTAL (2) (\$) *Reduced by Basic Filing Fee Paid **or number previously paid, if greater, For Reissues, see above SUBMITTED BY Complete (if applicable) Registration No. 39,183 Telephone (858) 720-5195 Name (Print/Type) Carolyn A /Favoritø (Attorney/Agent) Date April 24, 2003 Signature PAVORITE I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents Washington, DC 20231, on the date shown below.

Dated: April 24, 2003 Signature: Muan Muan Multiple (Marian L. Christopher)